

Feb. 64

PROJECT STATUS REPORT

INSTRUCTIONS

- ITEM 8 Entries will be taken from codes listed on the reverse side of this form page 3.
- ITEM 20 Enter concise project progress information sufficiently complete so that reference to other reports will not be necessary. Changes in program scheduling should be fully explained. If additional space is required, a separate 8 x 10 1/2 sheet will be used. Identify particular report and mark proper security classifications.

1. PROGRAM STRUCTURE		2. PROJECT NR OR SYSTEM TEST OBJ NR		3. TASK, ESP OR TEST NUMBER	
921A				63B14	
4. AFFTC PROJECT DIRECTIVE NR		5. ARDC PRIORITY		6. REPORTING PERIOD	
63-83		01		February 1964	
7. TITLE AND OBJECTIVE					
D. E. S. TESTS					
(Purpose is classified)					
8. SCHEDULE		CURRENT FY <u>64</u>		FY <u>65</u>	
		J A S O N D J F M A M J J A S O N D J F M A M J		FY <u>66</u> QTRS FY <u>67</u> QTRS	
		J A S O N D J F M A M J J A S O N D J F M A M J		1st 2d 3d 4th 1st 2d 3d 4th	
CURRENT SCHEDULE		U N K N O W N			
NEW SCHEDULE					
CHG CODE					
9. FIRST FLIGHT/TEST		10. LATEST FLIGHT/TEST		11. FINAL FLIGHT/TEST	
12. TOTAL FLIGHT HRS REQ		13. ACFT SERIAL NR			
14. % PLANNING COMPLETED		15. % INSTRUMENTATION COMPLETED		16. % TESTING COMPLETED	
10/90		10/50		70/50	
17. % DATA REDUCTION COMPLETED		18. % REPORT COMPLETED		19. % TOTAL COMPLETED	
5/50		5/0		100/50	
20. REMARKS					

LIC 9341

Tests completed: 4

Tests documented: 7

Aircraft hours flown to date:

Documented aircraft hours remaining:

Test Photo

F-106B - 6 T-38 - 3

F-104 - 20

F-106B - 2

Test Photo

F-106B - 3 F-106B - 2

F-106D - 6

T-38 - 7

T-33 - 4

This project is classified.

21. DATE	22. OFFICE SYMBOL AND TELEPHONE EXT	23. SIGNATURE OF PROJECT OFFICER
29 February 1964	FTNEM/266	David P. Schmarje Lt. David P. Schmarje

Program Structure 921A, COMPARATIVE EVALUATION OF PERSONNEL PARACHUTE CONFIGURATIONS (Cont'd)

Drop No.	Launch speed (kt)	Internal parachute		Internal parachute skirt location - above or below main canopy skirt (in)	Maximum riser force left right (lb)	Remarks No.
		D ₀ (in)	FC			
0019	300	60		12 above	N/A N/A	(1)
0020	100	60		12 above	880 880	(2)

Remarks:

- (1) The dummy separated from the parachute at full open due to the harness breaking.
- (2) No damage.

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1. PROGRAM STRUCTURE		2. PROJECT NR OR SYSTEM TEST OBJ NR		3. TASK, ESP OR TEST NUMBER	
921A				62B01	
4. AFFTC PROJECT DIRECTIVE NR		5. AROC PRIORITY		6. REPORTING PERIOD	
62-17		20F		February 1964	
7. TITLE AND OBJECTIVE					
EXPERIMENTAL PERSONNEL PARACHUTE (MULTI-STAGE)					
To determine the opening reliability of a multi-stage parachute assembly to be used by parachutist from high altitudes.					
8. SCHEDULE		CURRENT FY 64		FY 65	
		J A S O N D J F M A M J J A S O N D J F M A M J		FY 66 QTRS FY 67 QTRS	
CURRENT SCHEDULE		U N K N O W N			
NEW SCHEDULE					
CHG CODE					
9. FIRST FLIGHT/TEST		10. LATEST FLIGHT/TEST		11. FINAL FLIGHT/TEST	
12. TOTAL FLIGHT HRS REQ		13. ACFT SERIAL NR			
14. % PLANNING COMPLETED		15. % INSTRUMENTATION COMPLETED		16. % TESTING COMPLETED	
10/90		5/90		70/90	
17. % DATA REDUCTION COMPLETED		18. % REPORT COMPLETED		19. % TOTAL COMPLETED	
10/90		5/0		100/85	

20. REMARKS

LIC 9121 WSC 3

Tests completed: 225

Tests documented: 227

Aircraft hours flown to date:

Documented aircraft hours remaining:

Test	Photo
C-130 - 56.1	T-28 - 23.4
B-66 - 36.0	T-33 - 61.0
	B-57 - 6.0
	F-104 - 1.5
	F-100 - 18.0
	H-21 - 19.0
	T-38 - 4.0

Test	Photo
C-130 - 13.0	

No tests. This project is being held in abeyance by the AFSC Project Officer.

21. DATE	22. OFFICE SYMBOL AND TELEPHONE EXT	23. SIGNATURE OF PROJECT OFFICER
29 February 1964	FTNEM/266	<i>David P. Schmarje</i> Lt. David P. Schmarje

Program Structure 921A, SUPPORT MISCELLANEOUS AIR FORCE TASKS, (Cont'd)

35-Ft. Single Cone "Rabbit Ear": Project Engineer - Lt. David P. Schmarje, FTNEM, Extension 266. - Two tests were made on an MC-1 canopy modified with a single "Rabbit Ear." The drop was made at 110 KIAS and 5,000-ft. pressure altitude using a 290-lb. ammunition container load. The test canopy was deployed by a static-line-deployed 68-in. octagonal pilot chute. The "Rabbit Ear" has a 7-ft. base diameter, a 6-ft. tip diameter, and a 16-ft. height. For test 0181 the standard MC-1 apex was retained and for test 0223 this was increased to a 42-in. diameter.

Test information follows:

Drop No.	Indicated airspeed (kt)	Pressure altitude (ft)	Drop aircraft	Peak force (lb)	Rate of descent (ft/sec)	Remarks
0181	110	5,000	C-130	1,300	17.9	(1)
0223	110	5,000	C-47	800	21.0	(2)

Remarks:

- (1) The cone did not inflate properly.
- (2) The cone inflated, but did not remain erect.